

# Conveyor and Conveying Equipment Manufacturing: 2002

Issued December 2004

EC02-311-333922 (RV)

## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	All estab- lish- ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
333922, Conveyor and conveying equipment manufacturing.....	2002.. 795	838	34 159	1 477 104	18 362	36 692	637 138	3 080 337	2 772 889	5 876 471	139 997
	2001.. N	N	38 223	1 597 169	21 878	45 069	718 955	3 277 625	2 992 137	6 304 722	124 357
	2000.. N	N	40 319	1 719 050	23 407	49 397	747 549	3 545 391	3 295 846	6 864 232	138 293
	1999.. N	N	39 291	1 675 605	23 043	47 708	717 821	3 282 726	3 227 779	6 530 423	167 548
	1998.. N	N	39 134	1 551 065	22 336	46 928	646 281	3 205 809	3 261 050	6 553 203	125 220
	1997.. 864	897	39 421	1 531 932	23 261	49 446	701 113	3 069 183	3 304 898	6 364 898	149 846

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments <sup>2</sup>		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
<b>333922, Conveyor and conveying equipment manufacturing</b>												
United States .....	1	838	362	34 159	1 477 104	18 362	36 692	637 138	3 080 337	2 772 889	5 876 471	'139 997
Alabama .....	—	14	6	688	25 628	374	798	11 760	74 527	45 401	120 423	'1 297
Arkansas .....	—	15	6	1 337	40 676	904	1 727	24 141	78 812	70 608	147 901	'6 213
California .....	1	62	19	1 643	65 017	864	1 710	28 375	182 057	142 211	321 285	'3 350
Colorado .....	—	16	6	601	32 090	267	548	8 751	97 350	48 517	143 634	'5 084
Florida .....	4	22	5	651	29 693	286	556	8 495	60 990	44 299	105 668	'1 873
Georgia .....	—	8	2	240	11 241	119	221	5 046	16 340	23 533	40 584	'379
Illinois .....	3	57	17	1 741	83 863	921	1 939	34 497	154 638	115 373	270 200	'21 487
Indiana .....	3	34	23	1 194	49 685	689	1 495	24 100	88 418	70 005	159 314	'7 131
Iowa .....	—	18	10	1 063	39 490	759	1 511	23 410	76 408	62 197	137 819	'4 989
Kansas .....	—	14	8	614	24 697	379	850	12 904	53 584	75 585	129 252	'2 450
Kentucky .....	1	22	13	1 314	61 924	714	1 323	28 250	116 661	146 305	267 414	'3 377
Maine .....	5	3	2	160	6 724	90	187	2 956	15 926	11 323	27 284	'438
Maryland .....	1	6	2	110	4 672	43	89	1 381	16 540	19 129	35 580	'172
Massachusetts .....	4	11	4	168	6 692	90	188	2 961	13 826	8 345	21 655	'367
Michigan .....	—	85	37	6 798	337 725	2 592	4 810	112 342	747 893	761 334	1 524 092	'27 739
Minnesota .....	1	28	10	866	32 313	442	908	13 170	62 654	57 700	120 003	'2 006
Mississippi .....	—	5	4	483	16 759	307	644	9 960	32 656	32 387	66 095	'900
Missouri .....	—	25	10	861	34 111	513	1 040	15 667	93 299	54 067	146 810	'4 248
Nebraska .....	—	8	4	244	7 575	162	317	4 001	16 110	14 186	30 188	'291
New Jersey .....	—	24	11	941	45 703	448	947	17 695	62 504	85 620	151 175	'1 854
New York .....	3	25	7	459	21 228	275	581	10 849	46 757	30 400	74 018	'950
Ohio .....	2	73	39	2 917	116 271	1 710	3 653	56 478	267 247	198 063	468 008	'5 202
Oregon .....	—	14	8	587	25 242	402	759	14 757	42 684	50 898	93 323	'2 559
Pennsylvania .....	2	47	23	1 302	56 417	734	1 575	25 684	119 208	97 172	213 528	'5 213
South Carolina .....	—	6	2	275	8 696	173	269	3 927	18 752	12 408	35 013	'399
Texas .....	1	45	21	1 794	73 365	1 035	1 936	31 448	116 824	72 755	190 212	'12 007
Virginia .....	1	21	11	885	36 737	515	1 095	16 367	67 384	74 303	143 339	'5 074
Washington .....	—	16	7	470	20 994	321	551	13 052	43 599	31 937	74 994	'819
Wisconsin .....	3	31	17	1 368	57 808	801	1 671	27 032	126 377	80 868	208 780	'4 615

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>333922, Conveyor and conveying equipment manufacturing</b>	
Companies <sup>1</sup> .....	number.. 795
All establishments <sup>2</sup> .....	number.. 838
Establishments with 1 to 19 employees .....	number.. 476
Establishments with 20 to 99 employees .....	number.. 283
Establishments with 100 employees or more .....	number.. 79
All employees <sup>3</sup> .....	number.. 34 159
Total compensation .....	\$1,000.. 1 808 205
Annual payroll .....	\$1,000.. 1 477 104
Total fringe benefits .....	\$1,000.. 331 101
Production workers, average for year .....	number.. 18 362
Production workers on March 12 .....	number.. 18 612
Production workers on May 12 .....	number.. 18 454
Production workers on August 12 .....	number.. 18 342
Production workers on November 12 .....	number.. 17 960
Production worker hours .....	1,000.. 36 692
Production worker wages .....	\$1,000.. 637 138
Total cost of materials .....	\$1,000.. 2 772 889
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 1 962 470
Resales .....	\$1,000.. 524 860
Purchased fuels .....	\$1,000.. 10 683
Purchased electricity .....	\$1,000.. 24 216
Contract work .....	\$1,000.. 250 660
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 377 251
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. D
Total value of shipments .....	\$1,000.. 5 876 471
Primary products value of shipments .....	\$1,000.. 4 740 842
Secondary products value of shipments .....	\$1,000.. 240 028
Total miscellaneous receipts .....	\$1,000.. 895 601
Value of resales .....	\$1,000.. 610 576
Contract receipts .....	\$1,000.. D
Other miscellaneous receipts .....	\$1,000.. D
Primary products specialization ratio .....	percent.. 95
Value of primary products shipments made in all industries .....	\$1,000.. 5 030 639
Value of primary products shipments made in this industry .....	\$1,000.. 4 740 842
Value of primary products shipments made in other industries .....	\$1,000.. 289 797
Coverage ratio .....	percent.. 94
Value added .....	\$1,000.. 3 080 337
Total inventories, beginning of year .....	\$1,000.. 607 204
Finished goods inventories .....	\$1,000.. 163 698
Work-in-process inventories .....	\$1,000.. 168 843
Materials and supplies inventories .....	\$1,000.. 274 663
Total inventories, end of year .....	\$1,000.. 577 672
Finished goods inventories .....	\$1,000.. 170 670
Work-in-process inventories .....	\$1,000.. 138 626
Materials and supplies inventories .....	\$1,000.. 268 376
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '1 553 425
Total capital expenditures (new and used) .....	\$1,000.. '139 997
Buildings and other structures (new and used) .....	\$1,000.. '31 011
Machinery and equipment (new and used) .....	\$1,000.. '108 986
Automobiles, trucks, etc., for highway use .....	\$1,000.. '12 502
Computers and peripheral data processing equipment .....	\$1,000.. '26 384
All other expenditures for machinery and equipment .....	\$1,000.. '70 100
Total retirements .....	\$1,000.. '105 550
Gross value of depreciable assets at end of year .....	\$1,000.. '1 587 872
Depreciation charges during year .....	\$1,000.. '96 989
Total rental payments .....	\$1,000.. 85 901
Buildings and other structures .....	\$1,000.. 57 030
Machinery and equipment .....	\$1,000.. 28 871
Total other expenses <sup>4</sup> .....	\$1,000.. 363 599
Response coverage ratio <sup>5</sup> .....	percent.. 81
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 21 693
Communications services <sup>4</sup> .....	\$1,000.. 16 865
Legal services <sup>4</sup> .....	\$1,000.. 17 336
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 7 962
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 26 641
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 9 526
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 3 355
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 10 342
Taxes and license fees <sup>4</sup> .....	\$1,000.. 10 923
All other expenses <sup>4</sup> .....	\$1,000.. 238 957

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
333922, Conveyor and conveying equipment manufacturing											
All establishments .....	1	838	34 159	1 477 104	18 362	36 692	637 138	3 080 337	2 772 889	5 876 471	'139 997
Establishments with—											
1 to 4 employees .....	8	201	470	18 533	276	505	8 482	37 352	29 165	67 950	'1 140
5 to 9 employees .....	7	118	808	34 337	472	949	15 178	79 439	62 951	140 145	'2 431
10 to 19 employees .....	2	157	2 227	91 398	1 237	2 469	39 797	205 085	144 391	347 440	'14 378
20 to 49 employees .....	1	194	6 324	261 997	3 742	7 787	125 248	536 098	460 266	990 625	'25 170
50 to 99 employees .....	1	89	6 103	256 093	3 744	7 648	127 156	580 078	442 525	1 031 894	'24 382
100 to 249 employees .....	1	65	9 639	428 520	5 289	10 441	185 416	859 007	889 164	1 753 830	'32 326
250 to 499 employees .....	1	12	h	D	D	D	D	D	D	D	D
500 to 999 employees .....	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	1	h	D	D	D	D	D	D	D	D
Administrative records <sup>4</sup> .....	9	261	1 064	44 434	612	1 217	19 714	95 199	66 759	161 955	'2 592

<sup>1</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
333922	Conveyor and conveying equipment manufacturing .....	838	34 159	1 477 104	18 362	36 692	637 138	3 080 337	2 772 889	5 876 471	'139 997
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators .....	195	15 658	708 528	7 668	15 133	284 731	1 502 129	1 503 000	3 026 303	'55 888
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) .....	19	1 314	53 101	786	1 540	23 121	107 745	98 455	204 565	'2 618
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators .....	201	10 552	442 748	6 148	12 566	209 020	922 136	744 013	1 665 724	'43 356
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) .....	40	2 811	116 841	1 538	2 962	50 059	247 569	226 311	482 001	'27 417

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
333922	Conveyor and conveying equipment manufacturing .....	2002.. N 1997.. N	X X	X X	5 030 639 5 695 960
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators .....	2002.. N 1997.. N	X X	X X	2 223 525 2 983 679
33392211	Unit handling gravity and trolley conveyors and conveying systems, except hoists and farm elevators .....	2002.. N 1997.. N	X X	X X	250 947 249 825
3339221101	Unit handling gravity conveyors and conveying systems (skate wheel and roller), except hoists and farm elevators .....	2002.. 42 1997.. 48	X X	X X	178 213 121 964
3339221106	Light- to medium-duty unit handling trolley (overhead) conveyors and conveying systems, except hoists and farm elevators .....	2002.. 21 1997.. 22	X X	X X	72 734 127 861
33392213	Heavy-duty unit handling trolley (overhead) conveyors and conveying systems, except hoists and farm elevators .....	2002.. N 1997.. N	X X	X X	254 632 523 598
3339221311	Heavy-duty unit handling trolley (overhead) conveyors and conveying systems, except hoists and farm elevators .....	2002.. 18 1997.. 19	X X	X X	254 632 523 598
33392214	Unit handling tow, belt, roller, pneumatic, portable, carousel, and other nonbelt conveyors and conveying systems .....	2002.. N 1997.. N	X X	X X	1 682 887 1 977 668
3339221416	Unit handling tow conveyors and conveying systems (under floor systems), except hoists and farm elevators .....	2002.. 9 1997.. 8	X X	X X	25 569 29 032
3339221421	Light- to medium-duty unit handling powered conveyors and conveying systems, belt .....	2002.. 69 1997.. 84	X X	X X	465 561 505 368
3339221426	Light- to medium-duty unit handling powered conveyors and conveying systems, roller .....	2002.. 57 1997.. 67	X X	X X	400 002 330 879
3339221431	Heavy-duty unit handling powered conveyors and conveying systems, belt .....	2002.. 46 1997.. 46	X X	X X	173 570 148 769
3339221436	Heavy-duty unit handling powered conveyors and conveying systems, roller .....	2002.. 44 1997.. 56	X X	X X	141 681 243 522
3339221441	Unit handling pneumatic tube conveyors and conveying systems, except hoists and farm elevators .....	2002.. 8 1997.. 10	X X	X X	91 568 141 639
3339221446	Unit handling portable conveyors and conveying systems, except hoists and farm elevators .....	2002.. 6 1997.. 11	X X	X X	6 031 19 401
3339221451	Unit handling carousel conveyors and conveying systems, except hoists and farm elevators .....	2002.. 9 1997.. 17	X X	X X	41 110 56 057
3339221456	All other unit handling conveyors and conveying systems, belt .....	2002.. 45 1997.. 42	X X	X X	163 936 245 036
3339221461	All other unit handling conveyors and conveying system, except belt .....	2002.. 36 1997.. 45	X X	X X	173 859 257 965
3339221Y	Unit handling conveyors and conveying systems, except hoists and farm elevators, nsk .....	2002.. N 1997.. N	X X	X X	35 059 232 588
3339221YVV	Unit handling conveyors and conveying systems, except hoists and farm elevators, nsk .....	2002.. N 1997.. N	X X	X X	35 059 232 588
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) .....	2002.. N 1997.. N	X X	X X	250 966 246 370
33392231	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) .....	2002.. N 1997.. N	X X	X X	250 966 246 370
3339223100	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) .....	2002.. 93 1997.. 70	X X	X X	250 966 246 370
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators .....	2002.. N 1997.. N	X X	X X	1 590 939 N
33392281	Bulk material handling belt conveyors and conveying systems, except hoists and farm elevators .....	2002.. N 1997.. N	X X	X X	554 934 N
3339228101	Bulk material handling belt conveyors and conveying systems, except hoists and farm elevators .....	2002.. 153 1997.. N	X X	X X	554 934 N
33392282	Other bulk handling conveyors and conveying systems .....	2002.. N 1997.. N	X X	X X	850 295 N
3339228206	Bulk material handling screw conveyors and conveying systems, except hoists .....	2002.. 39 1997.. N	X X	X X	D N
3339228211	Bulk material handling bucket elevators and elevator systems, except hoists .....	2002.. 26 1997.. N	X X	X X	38 153 N
3339228221	Bulk material handling portable conveyors and conveying systems (excluding farm), except hoists .....	2002.. 11 1997.. N	X X	X X	8 657 N
3339228226	Bulk material handling en masse conveyors and conveying systems, except hoists .....	2002.. 15 1997.. N	X X	X X	34 829 N
3339228231	Bulk material handling vibrating conveyors and conveying systems, except hoists .....	2002.. 20 1997.. N	X X	X X	78 448 N
3339228236	Bulk handling conveyors and conveying systems specially designed for underground use .....	2002.. 4 1997.. N	X X	X X	D N
3339228241	Other bulk handling conveyors and conveying systems .....	2002.. 78	X	X	322 101

See footnotes at end of table.



**Table 6a. Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
333922	Conveyor and conveying equipment manufacturing—Con.				
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators—Con.				
33392282	Other bulk handling conveyors and conveying systems—Con.				
3339228241	Other bulk handling conveyors and conveying systems—Con.				
		1997..	N	X	N
3339228253	Farm conveyors, elevators, and stackers, single and double chain type .....	2002..	18	X	15 365
		1997..	N	X	N
3339228255	Farm conveyors, elevators, and stackers, auger type .....	2002..	10	X	46 288
		1997..	N	X	N
3339228257	Other farm elevators, conveyors, and stackers <sup>1</sup> .....	2002..	22	X	70 841
		1997..	N	X	N
3339228276	Bulk material handling loading and storing traveling stackers .....	2002..	11	X	29 902
		1997..	N	X	N
3339228281	Other bulk material handling loading and storing systems (including trippers, centrifugal throwers, etc.) .....	2002..	8	X	25 970
		1997..	N	X	N
33392283	Bulk material handling pneumatic conveyors and conveying systems, except hoists .....	2002..	N	X	97 775
		1997..	N	X	N
3339228316	Bulk material handling pneumatic conveyors and conveying systems, except hoists .....	2002..	23	X	97 775
		1997..	N	X	N
33392284	Bulk material handling unloading and reclaiming systems .....	2002..	N	X	70 826
		1997..	N	X	N
3339228466	Bulk material handling unloading and reclaiming vibrating feeders .....	2002..	18	X	37 634
		1997..	N	X	N
3339228469	All other bulk material handling unloading and reclaiming systems (including bins, apron feeders, gates, etc.) .....	2002..	14	X	33 192
		1997..	N	X	N
3339228Y	Bulk material handling conveyors and conveying systems, except hoists and farm elevators, nsk .....	2002..	N	X	17 109
		1997..	N	X	N
3339228YVV	Bulk material handling conveyors and conveying systems, except hoists and farm elevators, nsk .....	2002..	N	X	17 109
		1997..	N	X	N
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) .....	2002..	N	X	550 797
		1997..	N	X	474 250
33392291	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) .....	2002..	N	X	162 007
		1997..	N	X	99 194
3339229101	Belt conveyor idlers for bulk material handling conveyors and conveying systems (sold separately) .....	2002..	17	X	94 525
		1997..	15	X	44 608
3339229106	Belt conveyor pulleys for bulk material handling conveyors and conveying systems (sold separately) .....	2002..	15	X	67 482
		1997..	10	X	54 586
33392292	All other parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) .....	2002..	N	X	379 655
		1997..	N	X	291 732
3339229211	All other parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) .....	2002..	95	X	379 655
		1997..	110	X	291 732
3339229Y	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately), nsk .....	2002..	N	X	9 135
		1997..	N	X	83 324
3339229YVV	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately), nsk .....	2002..	N	X	9 135
		1997..	N	X	83 324
333922W	Conveyor and conveying equipment manufacturing, nsk, total .....	2002..	N	X	414 412
		1997..	N	X	488 501
333922WY	Conveyor and conveying equipment manufacturing, nsk, total .....	2002..	N	X	414 412
		1997..	N	X	488 501
333922WYWW	Conveyor and conveying equipment manufacturing, nsk, for nonadministrative-record establishments .....	2002..	N	X	265 840
		1997..	N	X	371 966
333922WYWY	Conveyor and conveying equipment manufacturing, nsk, for administrative-record establishments .....	2002..	N	X	148 572
		1997..	N	X	116 535

<sup>1</sup>For additional detail, see Current Industrial Report MA333A, Farm Machinery and Garden Equipment.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3339221	Unit handling conveyors and conveying systems, except hoists and farm elevators	
	United States .....	2002.. 2 223 525
		1997.. 2 983 679
	Alabama .....	2002.. 33 484
		1997.. 22 484
	Arkansas .....	2002.. 105 945
		1997.. 112 908
	California .....	2002.. 82 952
		1997.. 96 257
	Florida .....	2002.. 32 073
		1997.. 15 446
	Georgia .....	2002.. 20 996
		1997.. 30 405
	Illinois .....	2002.. 75 810
		1997.. 144 900
	Indiana .....	2002.. 28 430
		1997.. 45 049
	Kentucky .....	2002.. 138 055
		1997.. 225 810
	Massachusetts .....	2002.. 5 080
		1997.. 24 554
	Michigan .....	2002.. 624 900
		1997.. 854 080
	Minnesota .....	2002.. 10 877
		1997.. 10 718
	Missouri .....	2002.. 93 962
		1997.. 61 215
	New Jersey .....	2002.. 70 492
		1997.. 68 785
	New York .....	2002.. 21 078
		1997.. 44 257
	Ohio .....	2002.. 219 755
		1997.. 177 002
	Pennsylvania .....	2002.. 31 099
		1997.. 76 445
	South Carolina .....	2002.. 2 600
		1997.. 4 579
	Texas .....	2002.. 40 984
		1997.. 99 117
	Virginia .....	2002.. 79 987
		1997.. 112 516
	Washington .....	2002.. 13 155
		1997.. N
	Wisconsin .....	2002.. 83 928
		1997.. 95 172
3339223	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately)	
	United States .....	2002.. 250 966
		1997.. 246 370
	California .....	2002.. 35 634
		1997.. 5 990
	Kentucky .....	2002.. 9 009
		1997.. 30 083
	Michigan .....	2002.. 48 786
		1997.. 76 485
	Minnesota .....	2002.. 2 841
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators	
	United States .....	2002.. 1 590 939
		1997.. N
	Arkansas .....	2002.. 28 586
		1997.. N
	California .....	2002.. 42 141
		1997.. N
	Colorado .....	2002.. 12 677
		1997.. N
	Georgia .....	2002.. 9 316
		1997.. N
	Illinois .....	2002.. 80 625
		1997.. N
	Indiana .....	2002.. 64 196
		1997.. N
	Iowa .....	2002.. 44 351
		1997.. N
	Kansas .....	2002.. 72 364
		1997.. N
	Kentucky .....	2002.. 64 491
		1997.. N
	Michigan .....	2002.. 205 769
		1997.. N
	Minnesota .....	2002.. 62 620
		1997.. N
	Mississippi .....	2002.. 23 066
		1997.. N
	Missouri .....	2002.. 44 311
		1997.. N
	Nebraska .....	2002.. 29 647
		1997.. N
	New Jersey .....	2002.. 39 807
		1997.. N
	New York .....	2002.. 34 658
		1997.. N
	Ohio .....	2002.. 102 565
		1997.. N
	Oregon .....	2002.. 34 207

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3339228	Bulk material handling conveyors and conveying systems, except hoists and farm elevators—Con.	
	United States—Con.	
	1997..	N
	2002..	109 131
	Pennsylvania .....	N
	1997..	N
	2002..	105 182
	Texas .....	N
	1997..	N
	2002..	15 940
	Virginia .....	N
	1997..	N
	2002..	46 329
	Washington .....	N
	1997..	N
	2002..	61 729
	Wisconsin .....	N
	1997..	N
3339229	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately)	
	United States .....	550 797
	1997..	474 250
	2002..	14 467
	Colorado .....	N
	1997..	N
	2002..	96 701
	Illinois .....	61 146
	1997..	55 382
	2002..	75 417
	Iowa .....	10 985
	1997..	34 363
	2002..	28 136
	Kentucky .....	13 063
	1997..	16 157
	2002..	8 179
	Michigan .....	11 840
	1997..	9 669
	2002..	29 845
	Ohio .....	23 517
	1997..	10 644
	2002..	10 612
	Pennsylvania .....	5 890
	1997..	4 481
	2002..	23 182
	Texas .....	39 025
	1997..	
	2002..	
	Wisconsin .....	
	1997..	
	2002..	

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
333922	Conveyor and conveying equipment manufacturing		
00900001	Total materials .....2002..	X	1 962 470
	.....1997..	X	2 367 018
33399601	Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) .....2002..	X	16 971
	.....1997..	X	27 126
33399501	Fluid power cylinders and rotary actuators (hydraulic and pneumatic) .....2002..	X	11 027
	.....1997..	X	29 339
33399901	Fluid power filters (hydraulic and pneumatic) .....2002..	X	1 381
	.....1997..	X	5 235
33291203	Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic) .....2002..	X	7 929
	.....1997..	X	9 766
33291207	Fluid power valves (hydraulic and pneumatic) .....2002..	X	14 916
	.....1997..	X	23 594
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	33 618
	.....1997..	X	5 423
33211101	Iron and steel forgings .....2002..	X	31 209
	.....1997..	X	33 385
33211201	Nonferrous forgings.....2002..	X	875
	.....1997..	X	1 220
332000AC	Metal stampings.....2002..	X	32 294
	.....1997..	X	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	54 456
	.....1997..	X	74 892
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	131 821
	.....1997..	X	234 275
33120016	Steel sheet and strip (including tinplate) .....2002..	X	132 545
	.....1997..	X	N
33120019	Steel structural shapes and sheet piling (excluding castings, forgings, and fabricated metal products) .....2002..	X	32 941
	.....1997..	X	85 298
33120091	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, bars, bar shapes, plate, sheet, strip, structural shapes, and sheet piling) .....2002..	X	64 531
	.....1997..	X	67 394
33361805	Gasoline and other carburetor engines .....2002..	X	621
	.....1997..	X	540
33531223	Fractional horsepower electric motors (less than 1 hp), excluding timing motors .....2002..	X	25 333
	.....1997..	X	N
33531221	Integral horsepower electric motors and generators (1 hp or more) .....2002..	X	41 172
	.....1997..	X	N
33299105	Ball bearings (mounted or unmounted) .....2002..	X	32 942
	.....1997..	X	71 998
33299103	Roller bearings (mounted or unmounted) .....2002..	X	59 952
	.....1997..	X	55 875
33361200	Mechanical speed changers, gears, and industrial high-speed drives .....2002..	X	53 622
	.....1997..	X	81 612
32622001	Rubber and plastics hose and belting .....2002..	X	54 587
	.....1997..	X	68 320
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....2002..	X	11 249
	.....1997..	X	10 603
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	1 189
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	18 394
	.....1997..	X	N
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products) .....2002..	X	4 914
	.....1997..	X	N
001900B1	Electrical transmission, distribution, and control equipment.....2002..	X	60 454
	.....1997..	X	111 525
33591101	Storage batteries .....2002..	X	D
	.....1997..	X	N
32621003	Pneumatic tires and inner tubes .....2002..	X	3 834
	.....1997..	X	7 687
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	11 048
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies.....2002..	X	674 770
	.....1997..	X	962 926
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	341 314
	.....1997..	X	397 796

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.